

CLAIMS

1. A multi-shaft spindle head of machine tool comprising:
a multi-shaft spindle head comprising:
 - 5 a plurality of spindles having tools at the tips thereof being disposed in a same direction;
cutting fluid feed passages provided to rotating centers of the spindles;
a common closed chamber provided to rear parts of the spindles;
rear ends of said cutting fluid feed passages being allowed to communicate with said
common closed chamber, and atomized lubricant fed to the common closed chamber being
10 adopted to jet from the tips of the corresponding tools through the cutting fluid feed passages,
and
an opening degree changing means for changing degrees of openings at the rear ends of the
cutting fluid feed passages.
- 15 2. A multi-shaft spindle head of machine tool comprising:
a multi-shaft spindle head comprising:
 - a plurality of spindles having tools at the tips thereof being disposed in a same direction;
cutting fluid feed passages being formed as inner holes of cutting fluid feed tubes installed in
a non-rotating state at rotating centers of the spindles;
 - 20 a common closed chamber provided to rear parts of the spindles;
rear ends of said cutting fluid feed passages being allowed to communicate with said
common closed chamber, and atomized lubricant fed to the common closed chamber being
adopted to jet from the tips of the corresponding tools through the cutting fluid feed passages,
and
 - 25 an opening degree changing means for changing degrees of openings at the rear ends of the
cutting fluid feed passages.
3. A multi-shaft spindle head of machine tool claimed in claim 1 or claim 2,
wherein said opening degree change means is provided with inserted members each having a
taper part concentrically inserted from the openings at the rear ends of said cutting fluid feed
30 passages.
4. A multi-shaft spindle head of machine tool claimed in claim 3,

wherein said inserted members are fixed on a wall for surrounding a rear side of said common closed chamber so as to be attached or detached from an outer of the wall.

5. A multi-shaft spindle head of machine tool claimed in claim 3 or claim 4,
wherein longitudinal position of said inserted members is changed and adjusted from an outside
5 of the wall of said common closed chamber.